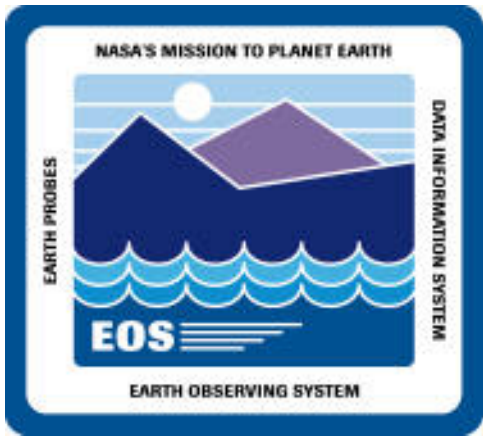

High Priority Request Scenario

Joanne Garlow

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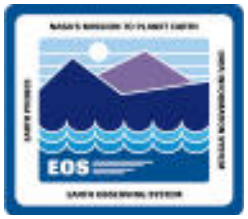
1 November 1995

Context



Time series of ASTER images (volcano eruption, for instance) is needed quickly to illustrate value of EOS data and defend budget

Images need to be re-processed with a uniform set of run-time parameters

Characteristics:

- **Large data request (~100 ASTER scenes of volcanic region) with very high priority**
- **Processing 100 scenes is ~12 hours of production**
- **Need MODIS L2 atmospheric products as ancillary data**

Potential impacts:

- **Changes plan for local processing**
- **Delays providing products to other DAACs for their processing**
- **Delays product availability for users**

Design Drill-Downs

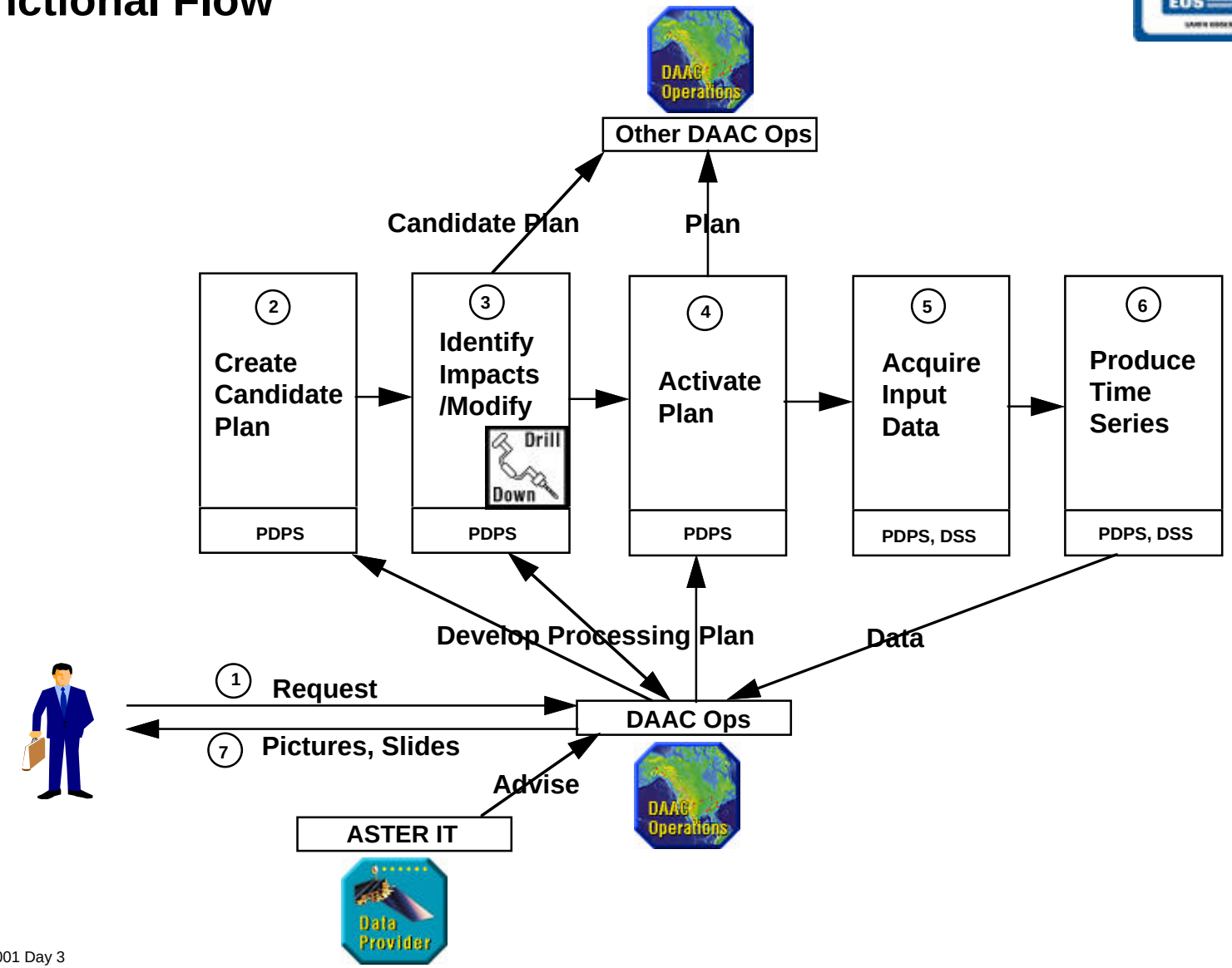
Push+Pull drill-down:

- **Cross-DAAC Planning - identification of inter-DAAC dependencies and coordination of changes in data availability**

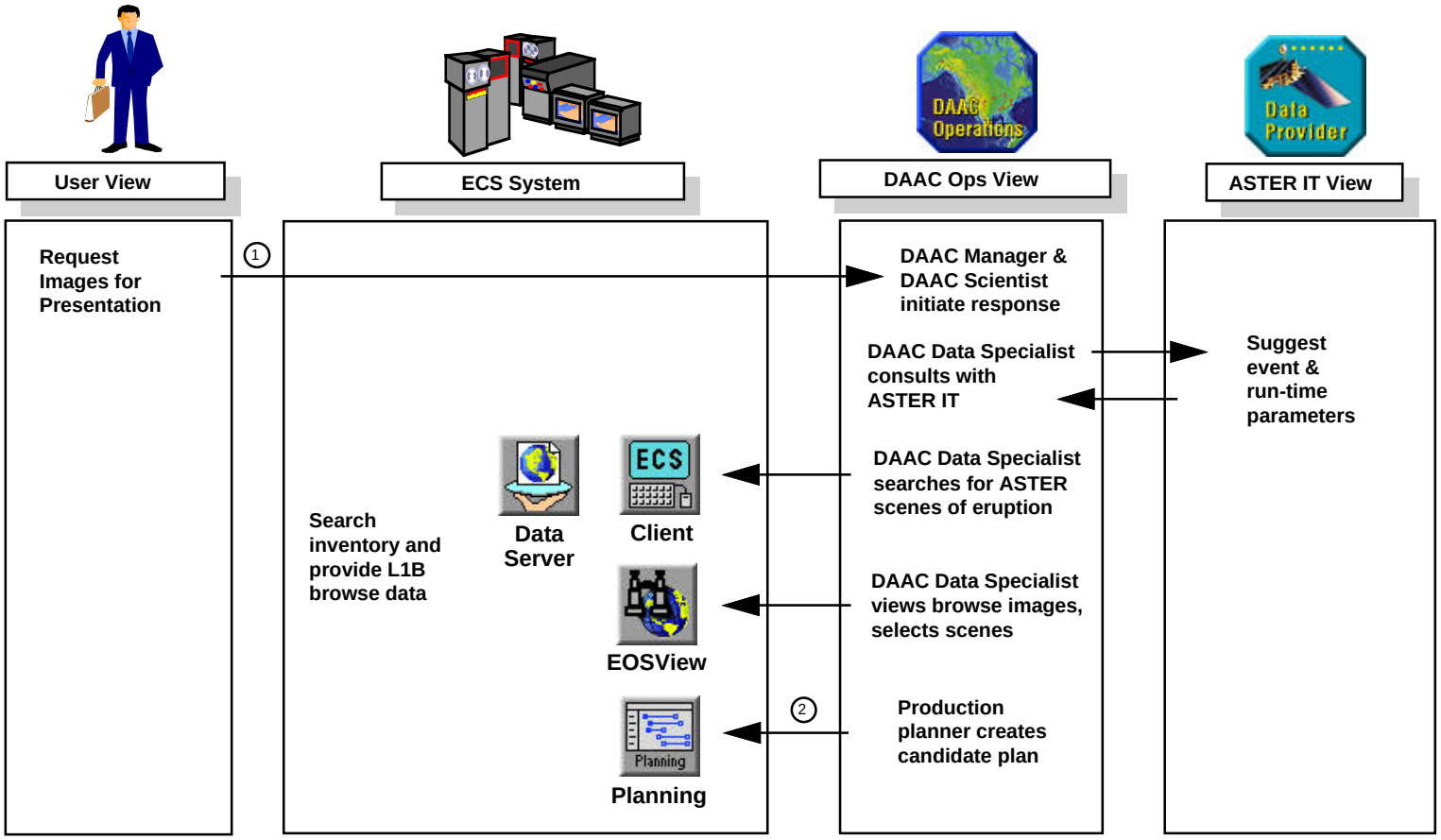
Earlier drill-downs:

- **Science Data Processing Sizing - resources for normal processing**
- **Reprocessing Case Study - additional processing resources**
- **Session Management - suspending current processes, while assuring that critical functions (e.g., Data Ingest) are protected**

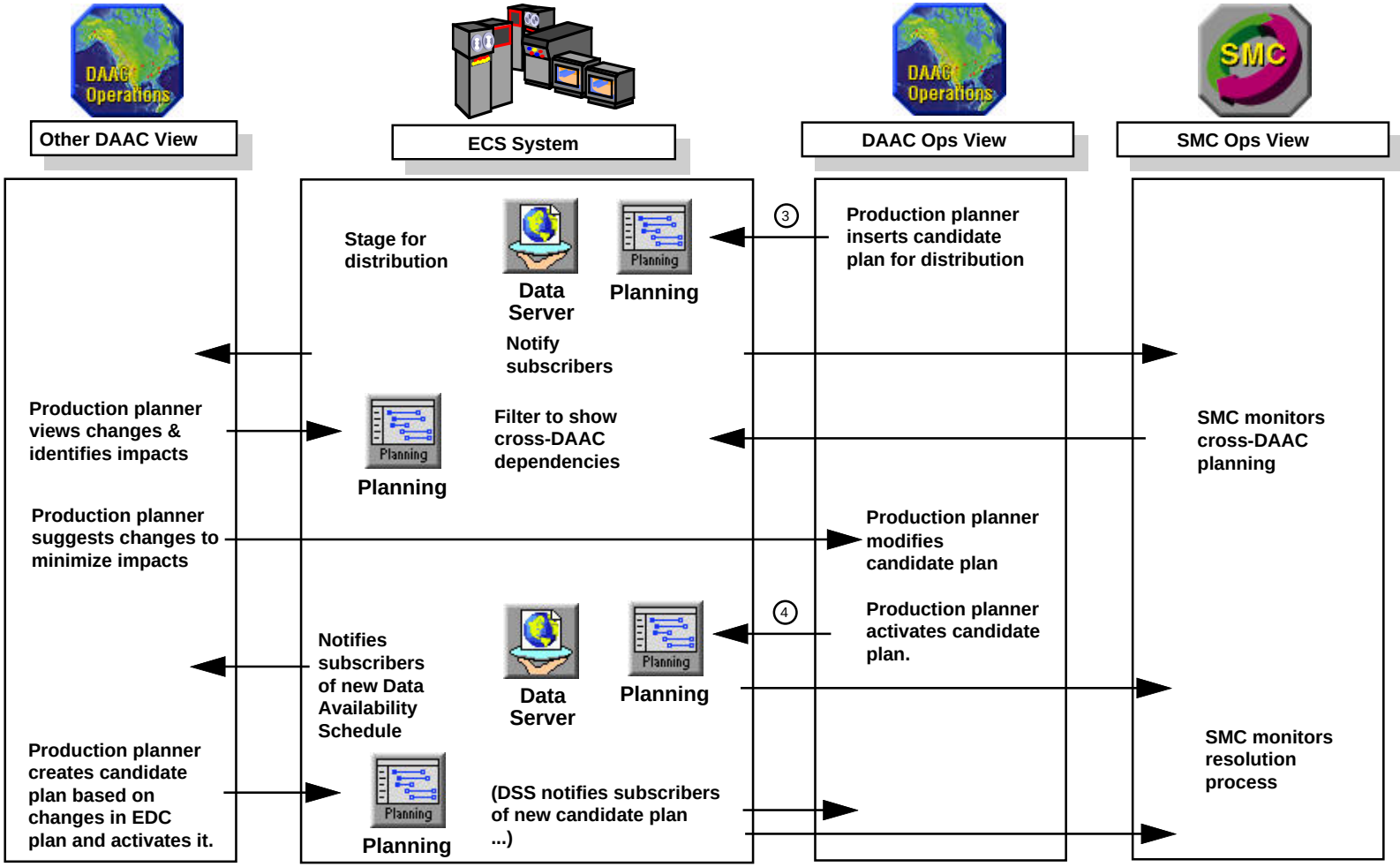
High Priority Request
Functional Flow



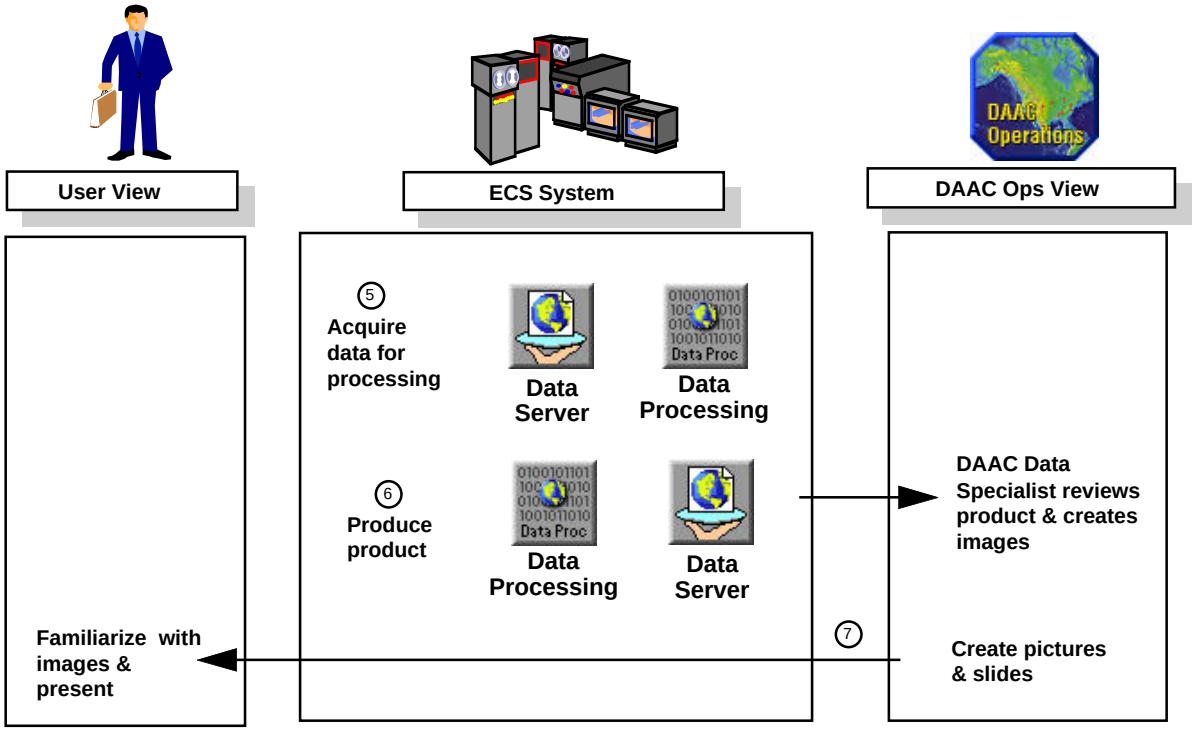
High Priority Request
Points of View - 1



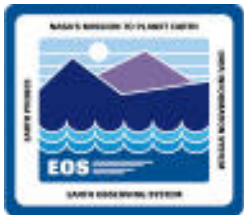
High Priority Request
Points of View - 2



High Priority Request
Points of View - 3



Summary



Scenario demonstrates ability to accommodate changes in local production priorities and plans

Distributed planning tools support federated approach to processing with cross-DAAC dependencies

- **Supports DAAC autonomy**

Impacts of candidate plan changes on dependent processing can be anticipated by planners at the source DAAC and/or at the destination DAAC

Schedule coordination by SMC, if needed